



HA Convention 2014 SPP-P6.1

Prevention of Endophthalmitis by a cluster-based standardization of eye practice in KEC

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+ Gap Analysis



- Practice differentiation in preocular & conjunctival sac preparation & disinfection before eye operation in KEC

Confusion on practice among
Ophthalmologic surgeons in
various operating theatres

Deviated benchmark for
prevention of endophthalmitis



+ Objectives

- to ensure a **standardized practice in pre operative eye & skin disinfection before surgery**
- to ensure a **high compliance on a standardized practice** among surgical team members

Project team

WK group members	Roles
COS (Eye), KEC	Project Advisor
NC (Peri-op), KEC	Project Leader
WM (Eye), KEC	Project Coordinator
Nurse eye team leaders (OTs from UCH & TKOH)	Project Facilitator
Eye surgeon(s), KEC	Project Facilitator
ICN, UCH	External Advisor



Step 1: Preparation of 5% Povidone-Iodine with sterile water before operation



5% Povidone-Iodine are ready for use

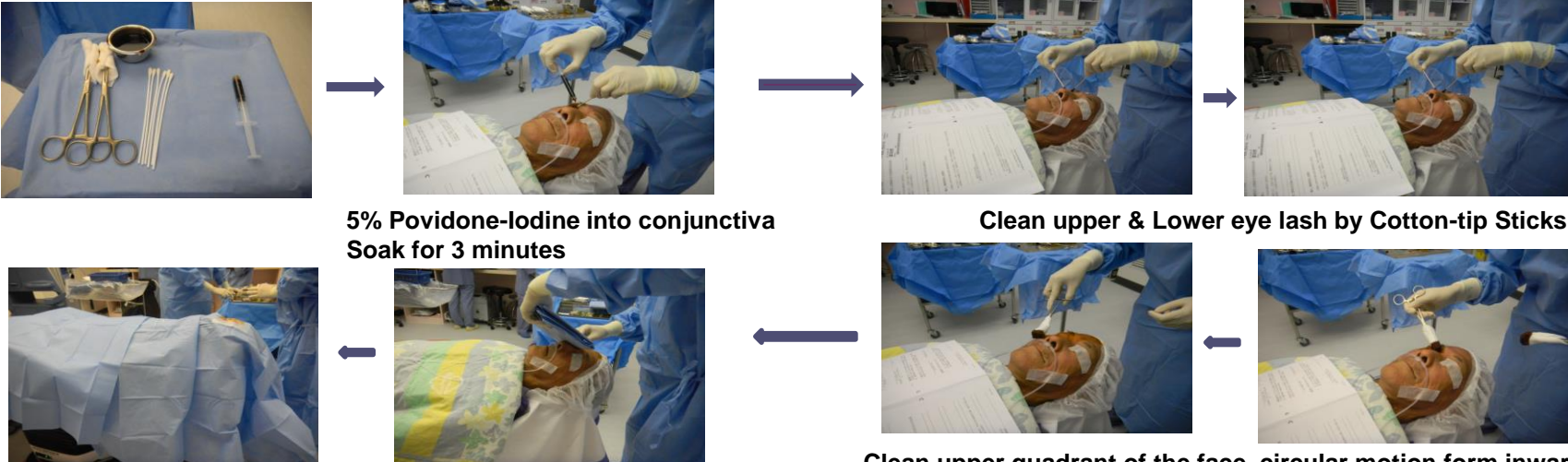
Step 2: Tropical Administration



At least 3 drops of 5% Povidone-Iodine
Soak for 5 seconds

Apply 2% Xylocaine Jelly,
wipe it off after 3 minutes

Step 3: Pre-operative Eye & Skin Preparation and Disinfection



5% Povidone-Iodine into conjunctiva
Soak for 3 minutes

Clean upper & Lower eye lash by Cotton-tip Sticks

Clean upper quadrant of the face circular motion form inward to outward
Stayed on the skin for 2 minutes

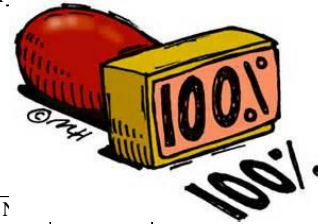
Sterile Draping



Result

AUDIT ON COMPLIANCE OF STANDARDIZED PRACTICE IN PRE-OPERATIVE EYE & SKIN DISINFECTION

Topic: Standardized practice in pre-operative eye & skin disinfection
 Target group: All patients undergoing cataract surgery & elective eye surgery
 Audit location: OR, UCH & WHLN Cataract Centre, TKOH
 Audit period: 4 weeks (23 Dec 2013 to 17 Jan 2014)



Operation:

Cataract Surgery Other _____

Please tick in the appropriate column

	Standard Criteria	Source of Information	Yes	No	?		
1.	Prepare antiseptic Betadine Solution 10% and H2O 50/50 preparation in 3ml syringe by sterile technique	AN / AS / O					
2.	Passes one of 5% Povidone-Iodine Syringe to the circulating Nurse by either box cover or kidney dish	AN / AS / O					
3.	Tropical administration and preoperative skin & eye preparation						
3.1	instill Gutt Novesin into operated eye after verify patient allergy history after sign out and against prescription	AN / AS / O / CR					
3.2	1 minute after instilling Gutt Novesin, instill at least 3 drops of 5% Povidone-Iodine syringe to the operated eye with soak for 5 seconds	AN / AS / O					
3.3	Apply 2% Xylocaine Jelly into operated eye	AN / AS / O / CR					
3.4	After 3 minutes, wipe off 2% Xylocaine Jelly	AN / AS / O					
4	Eye & Skin Preparation						
4.1	Items ready for eye & skin Preparation	AN / AS / O					
4.2	Instill 5% Povidone-Iodine into conjunctiva with soak for 3 minutes	AN / AS / O					
4.3	Clean upper & lower eye lash by cotton-tip sticks soaked in 5% Povidone-Iodine	AN / AS / O					
4.4	Clean upper quadrant of the face by circular movement from inward to outward by 2 swab sticks soaked with 10% Povidone-Iodine	AN / AS / O					
4.5	Keep 10% Povidone-Iodine on the skin for 2 minutes	AN / AS / O					
5	Sterile Draping						
4.1	Wipe gently Povidone-Iodine antiseptis	AN / AP / O					
4.2	Apply sterile drape	AN / AP / O					

